USER MANUAL

FOR

JACKY® BINS

GENERAL

The **JACKY®** Bin is a rotomoulded polyethylene hopper bin in a steel frame or plastic base.

- Total mass - varies between 80kg - 165 kilograms approximately, depending on model.
- Safe Working Load per Hopper – 1200kg net contents weight.

The material used is a UV stabilized hexene-based linear low-density polyethylene specifically designed for rotational moulding. This material is resistant to all alkalis, most acids, and many solvent-type liquids.

The threaded inserts used to receive bolts are brass; all metal hatch mechanisms and parts are 304 grade stainless steel; the blade and forklifting frame are galvanized mild steel.

The walls have integral horizontal ribs moulded in, which help hold the sides straight. However, when the **JACKY®** Bin is full, the walls of course have outward-acting forces on them, and it is recommended that the lid be fitted when possible, particularly during transport, as it assists in retaining the tops of the sides.

SAFETY FIRST!

Never exceed the load rating of a JACKY® Bin!

Never place any part of your body under a JACKY® Bin, whether full or empty.

The **JACKY®** Bin is specifically designed to eliminate the need to get underneath the container in order to empty it. All actions necessary for filling and emptying the **JACKY®** Bin can and should be done from the side.

Earth the flow control handle if necessary!

Some of the materials handled in the **JACKY®** Bin (e.g. grain and plastic pellets) also have the potential to generate quite high static electricity charges, which accumulate on the flow control handle.

THIS CAN CAUSE AN **UNPLEASANT SHOCK,** AND IN A DUSTY ENVIRONMENT COULD POSSIBLY LEAD TO AN **EXPLOSION HAZARD**.

*When handling such materials the handle **must** be earthed* with a metal wire or chain. Do not earth to a vehicle, as the rubber tyres will prevent the charge finding its way to earth – the wire or chain should be connected to an effectively earthed metal object.

Do not stack JACKY® Bins one on another!

With the exception of models beginning with BLMxxxx, **JACKY®** Bins are not designed for stacking one on another, neither empty or full. Users should not attempt this under any circumstances.

Models beginning with BLMxxxx, may be stacked to a maximum of two high for storage, either full or empty. The SWL per bin must be strictly observed at all times. Bins must not be stacked for transport.

CARE

Cleaning

The **JACKY®** Bin may be safely cleaned with normal detergents.

Whilst pressure cleaners are suitable, **DO NOT STEAM CLEAN AT TEMPERATURES OVER 70 DEGREES CELSIUS**. This is because the plastic will soften noticeably above this temperature.

Solvent-type chemicals may be used to wipe the bin down, but prolonged contact should be avoided, as it may increase the likelihood of cracking, as well as being an OH&S hazard.

General Handling Precautions

When heavily loaded, it is recommended that the lid should be fitted AS SOON AS THE BIN IS FILLED, as the lid assists in retaining the sides at the top.

Never push the **JACKY®** Bin across the floor, as excessive wear may result.

Transport

When loading the **JACKY®** Bin on a truck, DO NOT LOAD FROM ONE SIDE ONLY, as the stress of pushing a **JACKY®** Bin across the deck with another bin may damage them.

When strapping the **JACKY®** Bin down, use the minimum safe tension, as excessive tension will distort the sides of the bin.

It is recommended that an anti-skid surface such as rubber matting be placed under the **JACKY®** Bin to reduce the likelihood of movement during transport.

Maintenance

The material used for the **JACKY®** Bin is weldable. If damage occurs, repairs can be made by a competent plastic welder or steel fabricator, depending on where damage has occured.

OPERATION OF JACKY® BIN

Moving with Fork Lift Trucks and/or Fork Lift Attachments

In addition to your normal OH&S procedures for use of fork lift trucks and/or fork lift attachments, please note the following.

Forklift trucks are manufactured specifically to operate on hard level surfaces. Other four wheel drive or rugged terrain type vehicles such as tractors are designed and built with the intention of being used over undulating or unstable surfaces.

1. When accessing and raising a **JACKY®** Bin with a forklift carriage:

   - Centre the forklift tines when entering the pallet and make sure that the forks are centered on either side of the mast.
   - Use both forks.
   - Keep the mast square with the ground rather than in a forward or backward position when entering the fork pockets.
   - Set the load to rest against the back of the fork carriage.
   - Make sure the handbrake is on before and while raising a load.
   - Allow the hydraulic controls to “ease in”.

2. When travelling with the **JACKY®** Bin:

   - Always travel with the load tilted backwards and low to the ground.
   - It is recommended that the lid be fitted, as this helps retain the sides.
   - Take care when travelling over uneven surfaces to avoid rocking the bin violently.

Filling and Emptying the JACKY® Bin

Before filling the **JACKY®** Bag Splitter, ensure that the sliding hatch is closed, i.e. the lever is in the ‘DOWN’ position.

To empty, simply raise the lever to start the flow. Flow rate may be regulated by the amount the lever is raised. To stop the flow, push the lever fully down.

RISK ASSESSMENT – JACKY® BIN

The following risks have been identified, and are summarized below. Individual consideration of each risk follows.

1. Damage from falling bin/contents whilst vehicle is stationary.
2. Lid detaching from bin.
3. Dust.
4. Bin falling from fork carriage.

1. Damage from falling bin / contents whilst vehicle is stationary

The risk of a **JACKY®** Bin falling whilst the transporting vehicle is stationary is limited to failure of the lifting vehicle's hydraulic system, either hoist or tilt.

To eliminate the risk of damage due to hydraulic failure, ensure that neither personnel nor anything else are under the JACKY® Bin. All actions necessary for use of the JACKY® Bin can and should be performed from the side.

2. Lid detaching from bin

In situations where vibration and/or wind load exist, such as during road transport, the lid could slide off the **JACKY®** Bin, with consequent possibility of damage, particularly in a highway situation.

Steps should be taken to ensure that the lid cannot slide off, either by tying the lid down, or by positioning the JACKY® Bin so that the lid is prevented from sliding off because it runs into a head board, another bin or similar.

3. Dust

Many of the materials handled in the **JACKY®** Bin have the potential to generate dust when running into or out of the hopper.

The normal standard industry Personal Protection Equipment applicable to the product in question should be used when filling and emptying the JACKY® Bin.

Some of the materials handled in **JACKY®** Bin (e.g. grain and plastic pellets) also have the potential to generate quite high static electricity charges, which accumulate on the flow control handle. This can lead to an unpleasant shock, and in a dusty environment could lead to an explosion hazard.

When handling such materials the flow control handle must be earthed with a metal wire or chain. Do not earth to a vehicle, as the rubber tyres will prevent the charge finding its way to earth – the wire or chain should be connected to an effectively earthed metal object.

4. Bin falling from fork carriage

The **JACKY®** Bin could slide off the fork tines in circumstances of either rapid braking or excessive forward tilting of the carriage, a risk more particularly associated with tractor loaders, as these normally have a far greater forward tilt capacity than fork lift trucks.

It is recommended that the JACKY® Bin be tied back to the fork carriage with a suitably rated strap or chain. When travelling down a steep incline, it may be necessary to travel in reverse.

Under circumstances where a vehicle is travelling too fast over an uneven surface, the **JACKY®** Bin could conceivably be forced to rock side-to-side or front-to-back so hard that a failure of the system fastening the **JACKY®** Bin to the base, or the base to the fork pockets, occurs. **This would be considered abuse, and would not be covered by warranty.** However, damage could be caused by a falling **JACKY®** Bin.

When travelling over an uneven surface it is recommended that the JACKY® Bin be tied back to the fork carriage with a suitably rated strap.

**** This Risk Assessment is not exhaustive or comprehensive, is general only in nature, and does not take into account specific site or user requirements. A comprehensive Risk Assessment must be conducted in accordance with your WH&S policy requirements. ****